

APPENDIX I

Guests and Program

The Hague, December 7, 1982

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AGENDA FOR CONFERENCE

Tuesday, 07.12.1982

"BABYLON" Hotel, The Hague, Conference Room "SIRIUS"

GUESTS:

Drs. P.H. Berben, Chief Inspector, Hoofd-Inspectie Levensmiddelen,  
Ministerie van Volksgezondheid, Leidschendam.

Ir. W.J. de Koe, Inspector, Hoofd-Inspectie Levensmiddelen,  
Ministerie van Volksgezondheid, Leidschendam.

Drs. H.A. de Kok, Director Keuringsdienst van Waren, Alkmaar.

Ing. M. Hissink, MT TNO, Hoofdgroep Maatschappelijke Technologie TNO,  
Apeldoorn.

Drs. R. Bosman, MT TNO, Hoofdgroep Maatschappelijke Technologie TNO,  
Delft.

Drs. P.J. Groenen, CIVO-TNO, Zeist.

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09.00 - 09.15: Greetings and introduction by:  
Mr. F. van Vliet, B.A.T NEDERLAND B.V. Amsterdam

09.15 - 09.30: Introduction  
Prof. Dr. T.D. Darby, University of South Carolina,  
School of Medicine

FILTERDESIGN AND ITS INFLUENCE ON SENSORY PERCEPTION OF CIGARETTE SMOKE

09.30 - 10.00: Aerodynamics of Actron  
Prof. Dr. A.J. Baker, University of Tennessee,  
Inst. Engineering and Sciences.

10.00 - 10.30: Sensory Aspects of Actron Testing in US  
Prof. Dr. Wa. Cain, J.B. Pierce Foundation, Yale University

10.30 - 10.45: Discussion.

10.45 - 11.00: Coffee Break

FILTER PERFORMANCE OF CIGARETTES IN THE HUMAN MOUTH AND IN SMOKING MACHINES

11.00 - 11.30: Measurements of Lip Pressure Exerted on a Cigarette during  
Normal Smoking  
Prof. Dr. R.D. Kamm, Massachusetts Institute of Technology,  
Dept. Mechanical Engineering

11.30 - 12.00: Influence of Mouth Structure on Smoking Behaviour  
Prof. Dr. L. Fine, University of Chicago,  
School of Medicine

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12.00 - 13.00 Lunch

NICOTINE UPTAKE IN THE HUMAN BODY IN RELATION TO NICOTINE AND TAR  
DELIVERY BY CIGARETTES

13.00 - 13.30 Pharmacokinetics of Nicotine and Cotinine:  
Prof. Dr. J.M. van Rossum, University of Nijmegen  
Dept. Pharmacology

13.30 - 14.00 Smoker Intake from Cigarettes in the One Milligram  
Tar Class  
Prof. Dr. G.B. Gori, Director of Human Studies,  
Franklin Institute

14.00 - 14.30 Comparison of Human Uptake Among Cigarette Brands:  
rated as One Milligram Tar Yield  
Prof. Dr. J.E. McNamee, University of South Carolina,  
School of Medicine

14.30 - 15.00 Discussion and Closing Comments.

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#### PRESENTATION SUMMARY

- Dr. Baker will explain the aerodynamics of ACTRON. The four grooves introduce outside air at high velocity that mixes with smoke in the mouth causing a rapid swirling effect.
- Dr. Cain will demonstrate the taste characteristics of ACTRON. He will show how the swirling dispersion of smoke results in more taste and flavour.
- Dr. Kama will explain his measurements of pressure exerted on a cigarette filter by human lips and by various filter holders. He concludes that the grooves of ACTRON will not be collapsed in normal smoking.
- Dr. Fine will explain the interaction of human lips and cigarette filters to show (1) that lips will not normally occlude the ACTRON grooves and (2) that a dilution device fabricated by one competitor virtually forces occlusion.
- Dr. Van Rossum will discuss aspects of his research on the pharmacokinetics of nicotine - cotinine in humans.
- Dr. Gori will speak about the research study conducted using cotinine as a marker for nicotine to measure tar uptake by humans smoking 1 mg tar products produced in the U.S.A.
- Dr. McNamee will present an independent analysis of the cotinine data utilizing a variety of statistical techniques.

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#### BRIEF ABOUT SPEAKERS

Dr. Al. J. Baker...is Professor of Engineering Science and Mechanics at the University of Tennessee. Prior to that, he was a scientist at Bell-Aerospace Group conducting advanced research in aerodynamics and computational fluid mechanics. He is a consultant to NASA and the U.S. Air Force in the areas of aerodynamics and computational fluid dynamics.

Dr. W. S. Cain...is Professor of Epidemiology and Psychology at Yale University. He has done extensive research in the area of sensory measurement with particular emphasis on the chemical senses. He is active in several areas of sensory research at the international level.

Dr. R. D. Kamm...is Professor of Mechanical Engineering at Massachusetts Institute of Technology. He has conducted research studies in the areas of biomechanics and biomedical fluid mechanics for several U.S. governmental agencies. In addition, he has developed various electro-mechanical systems/devices in conjunction with some of the leading medical institutions in the U.S.

Dr. L. Fine...is Professor of Dental Surgery and Maxillofacial Prosthodontics at Zoller Clinic, University of Chicago Medical School. In addition, he is Director of Maxillofacial Prosthodontic Research. He has conducted numerous research projects under the auspices of various U.S. government agencies in the area of lip tissue and intra-oral diseases.

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Dr. J. van Rossum...is Professor at University of Nijmegen School of Medicine, Nijmegen, The Netherlands. Prof. van Rossum (along with Prof. Dr. Dettli) is, as you probably well know, regarded as the founding father of pharmacokinetics on the European Continent. Prof. van Rossum has published extensively in pharmacology/ pharmacokinetics and has been principle author of several texts in the field. His research work in recent years has been dedicated to the disposition and fate of drugs in the human body and affect on the human nervous system.

Dr. G. Gori...is Director of Human Studies at the Franklin Institute Policy Center. Prior to joining the Franklin Institute, he was Director of Smoking and Health Research program at the National Cancer Institute. He has conducted numerous studies over the past 18 years in human smoking and related biochemical reactions.

Dr. I. D. Darby...is Professor of Pharmacology and Associate Dean at the University of South Carolina School of Medicine. Prior to joining the Medical School, he was Director of Cardiovascular Pharmacology at Baxter-Travenol. He has published extensively in the areas of Pharmacology, Pharmacokinetics and Toxicology.

Dr. J. E. McNamara...is a Professor in the Department of Physiology at the University of South Carolina School of Medicine. His primary research interests are in the area of pulmonary physiology. Prior to joining the Medical School he was at the Cardio Vascular Research Institute at University of California, San Francisco. His background also includes training in Engineering. He has published extensively in the areas of Physiology and Pharmacology, with particular emphasis on the analysis of data emanating from human studies.

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